

Converting Colors

`RYB(111, 151, 111)`

Have a look what the booklet for
RYB(111, 151, 111) contains.

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Color

$\text{RYB}(111, 151, 111)$

Conversions

Conversions Part 1

Format	Color
Hex	97976F
RGB	151, 151, 111
RGB Percent	59%, 59%, 44%
CMY	0.4078, 0.4078, 0.5647
CMYK	0.00, 0.00, 0.26, 0.41
HSL	60°, 16%, 51%
HSV	60°, 26%, 59%
XYZ	26.6984, 29.8602, 19.3954
YIQ	146.4400, 12.8400, -12.4400

Conversions

Conversions Part 2

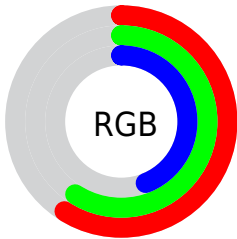
Format	Color
RYB	111, 151, 111
Decimal	9934703
CIELab	61.53, -6.74, 21.15
CIELCh	62, 22.195, 107.680
Yxy	29.8602, 0.3515, 0.3931
Android (android.graphics.Color)	4288124783 (0xFF97976F)
YUV	146.4400, -17.4719, 3.9991
Hunter-Lab	54.6445, -8.4159, 17.2069

Details

The RYB color **111, 151, 111** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **111, 111, 151**, and the grayscale version is **147, 147, 147**.

A 20% lighter version of the original color is **164, 206, 163**, and **63, 100, 63** is the 20% darker color. If you saturate the color by 10%, you get **96, 151, 96**, and if you desaturate by 10%, it is **126, 151, 126**.

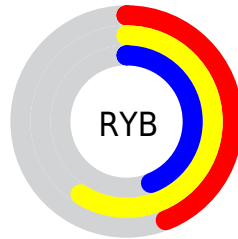
Distribution



Red (59%)

Green (59%)

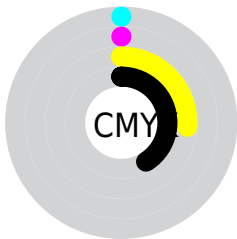
Blue (44%)



Red (44%)

Yellow (59%)

Blue (44%)

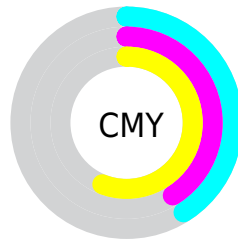


Cyan (0%)

Magenta (0%)

Yellow (26%)

Black (41%)



Cyan (41%)


Magenta (41%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 111, 151, 111 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 111, 151, 111 by changing the saturation by 10% instead.

 111, 151, 111


255, 255, 255

 164, 206, 163


 191, 234, 190


 218, 255, 218

 247, 255, 247

 111, 151, 111

 96, 151, 96

 111, 151, 111


 86, 125, 86

 63, 100, 63


 40, 76, 41

 19, 54, 21

 0, 32, 1

 0, 10, 10

 0, 0, 0

 111, 151, 111

 126, 151, 126

■ 81, 151, 81

■ 141, 151, 141

■ 66, 151, 66

■ 151, 151, 156

■ 51, 151, 51

■ 151, 151, 171

■ 35, 151, 35

■ 151, 151, 187

■ 20, 151, 20

■ 151, 151, 202

■ 5, 151, 5

■ 151, 151, 217

■ 0, 151, 0

■ 151, 151, 232

■ 151, 151, 247

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



157, 171, 111



111, 151, 111



122, 156, 149

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



111, 151, 111



95, 130, 177



183, 135, 158

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



111, 151, 111



111, 111, 151

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



166, 140, 175



111, 151, 111



114, 139, 186

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



111, 151, 111



93, 127, 160



141, 146, 186



189, 135, 138

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



111, 151, 111



114, 145, 158



141, 146, 186



178, 136, 164

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



111, 151, 111



181, 196, 181



151, 111, 111



90, 99, 90



227, 227, 227



99, 99, 99

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



111, 151, 111



134, 196, 134



111, 151, 131



69, 77, 69



0, 140, 0



0, 13, 0

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



111, 111, 151



134, 134, 196



131, 111, 151



69, 69, 77



0, 0, 140



0, 0, 13

Previews

White Background



This preview shows how the RYB color 111, 151, 111 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 111, 151, 111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

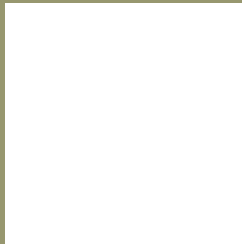
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 111, 151, 111 Background



This preview shows how black text looks on a background with the RYB color 111, 151, 111.



This preview shows how white text looks on a background with the RYB color 111, 151, 111.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).


Dichromacy



Original Color
111, 151, 111

Protanopia
124, 159, 110

Deuteranopia
175, 167, 113



Tritanopia
157, 145, 156

Trichromacy



Original Color

111, 151, 111

Protanomaly

118, 156, 110

Deuteranomaly

146, 166, 112

Tritanomaly

155, 153, 140

Monochromacy



Original Color

111, 151, 111

Achromatopsia

146, 146, 146

Achromatomaly

133, 148, 133

CSS Examples

Text

The CSS property to change the color of the text to RYB 111, 151, 111 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(151, 151, 111)` looks like.

```
.text, #text, p{  
    color:rgb(151, 151, 111)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(151, 151, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 151, 111) }
```

Border

The CSS property to change the border of an element to RYB 111, 151, 111 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(151, 151, 111) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(151, 151, 111) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(151, 151, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 151, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 151, 111);  
box-shadow:4px 4px 4px 4px rgb(151, 151,  
111) }
```

Background

The CSS property to change the background color of an element to RYB 111, 151, 111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 151, 111) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(151,  
151, 111) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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